DETROIT DIESEL CORPORATION

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Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: The engine and emission control systems produced by the manufacturer are certified as described below for use in on-road motor vehicles with a manufacturer's GVWR over 14,000 pounds. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAM	IILY	ENGINE SIZES (L)	FUEL TYPE 1	STANDARDS & TEST	INTENDED SERVICE	ECS & SPECIAL FEATURES 3	DIAGNOSTIC 6
2009	9DDXH07.2	DJD	7.2	Diesel	Diesel	CLASS MHDD	DDI, TC, CAC, ECM, EGR, OC, PTOX	EMD
	ENGINE'S IDLE NS CONTROL			ADD	ITIONAL IDLE EM	IISSIONS CO	NTROL 5	
	30g				N/	A.		· .
ENGINE (L)			ENGINE MODI	ELS / CODES (ra	led power, in	hp)	
7.2				See attachmer	nt for engine me	odels and ra	atings	
			_					
CNG/LN CN	NG=compressed/lique HDD=light/medium/he mission control syste DPF=diesel particus a body fuel injection; ger: CAC=charge air ule; EM=engine mo ngine shutdown syste R 1956.8(a)(6)(D); E	efied nature efied nature eavy heavy heavy m; TWC/C late filter; SFI/MFI=: cooler; Edification; em (per 13 ixempt=ex	and gas; LPG=liquefic y-duty diesel; UB=ur DC=three-way/oxidizi PTOX=periodic trap sequential/multi port GR / EGR-C=exhaus 2 (prefix)=parallel; CCR 1956.8(a)(6)(A kempted per 13 CCR	ad petroleum gas; E85=85% eth ban bus; HDO=heavy duty Otto ng catalyst; NAC=NOx adsorpti oxidizer; HO2S/O2S=heated/ox fuel injection; DGI=direct gasolist gas recirculation / cooled EGR (2) (suffix)=in series; V11: 30=30 nbn NOx (ner 13.6	anol fuel; MF=mult; ; on catalyst; SCR-U ygen sensor; HAFS ie injection; GCAR; PAIR/AIR=pulsed CCR 1956.8(a)(6)(C	fuel a.k.a. BF / SCR-N=select //SCR-N=select //SFS=heated/a B=gaseous car //secondary air); APS =internal ====================================	R 86.abc=Title 40, Code of Federal Regulations =bi fuel; DF=dual fuel; FF=fiexible fuel; ctive catalytic reduction urea / ammonia; W air-fuel-ratio sensor (a.k.a., universal or linear or buretor; IDI/DDI=indirect/direct diesel injection; injection; SPL=smoke puff limiter; ECM/PCM= al combustion auxiliary power system; ALT=alto (e.g., Otto engines and vehicles);	U (prefix) ≒warm- kygen sensor); TC/SC=turbo/ engine/powertrain

Following are: 1) the FTP exhaust emission standards, or family emission limit(s) as applicable, under 13 CCR 1956.8; 2) the EURO and NTE limits under the applicable California exhaust emission standards and test procedures for heavy-duty diesel engines and vehicles (Test Procedures); and 3) the corresponding certification levels, for this engine family. "Diesel" CO, EURO and NTE certification compliance may have been demonstrated by the manufacturer as provided under the applicable Test Procedures in lieu of testing. (For flexible- and dual-fueled engines, the CERT values in brackets [] are those when tested on conventional test fuel. For multi-fueled engines, the STD and CERT values for default operation permitted in 13 CCR 1956.8 are in parentheses.).

in g/bhp-hr	NMHC		NOx		NMHC+NOx		CO		PM		нсно	
	FTP	EURO	FTP -	EURO	FTP	EURO	FTP	EURO	FTP	EURO	FTP	EURO
STD	0.14	0.14	*	*	*	*	15.5	15.5	0.01	0.01	*	*
FEL	*	*	1.24	1.24	1.2	1.2	*	*	*	*	*	*
CERT	0.01	0.01	1.03	1.08	1.04	1.09	0.6	0.03	0.001	0.002	*	*
NTE	0.21		1.	86	1.8		19.4		0.02		*	

g/bhp-hr=grams per brake horsepower-hour; FTP=Federal Test Procedure; EURO=Euro III European Steady-State Cycle, including RMCSET=ram mode cycle supplemental emissions testing; NTE=Not-to-Exceed; STD=standard or emission test cap; FEL=family emission limit; CERT=certification level; NMHC/HC=non-methane/hydrocarbon; NOx=oxides of nitrogen; CO=carbon monoxide; PM=particulate matter; HCHO=formaldehyde; (Rev.: 2007-02-26)

BE IT FURTHER RESOLVED: Certification to the FEL(s) listed above, as applicable, is subject to the following terms, limitations and conditions. The FEL(s) is the emission level declared by the manufacturer and serves in lieu of an emission standard for certification purposes in any averaging, banking, or trading (ABT) programs. It will be used for determining compliance of any engine in this family and compliance with such ABT programs.

BE IT FURTHER RESOLVED: Except in vehicle applications exempted per 13 CCR 1956.8(a)(6)(B), engines in this engine family certified under 13 CCR 1956.8(a)(6)(C) [30 g/hr NOx] and section 35.B.4 of the incorporated "California Exhaust Emissions Standards and Test Procedures for 2004 and Subsequent Model Heavy-Duty Diesel Engines and Vehicles" adopted Dec. 12, 2002, as last amended Sep. 1, 2006, shall be provided with an approved "Certified Clean Idle" label that shall be affixed to the vehicle into which the engine is installed.

BE IT FURTHER RESOLVED: The listed engine models have been certified to the split engine family standards under 13 CCR 1956.8(b) [diesel engines] or 13 CCR 1956.8(d) [Otto engines] and the incorporated 40 CFR 86.007-15(m)(9).

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BE IT FURTHER RESOLVED: For the listed engine models the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels) and 13 CCR 2035 et seq. (emission control warranty).

BE IT FURTHER RESOLVED: The listed engine models are conditionally certified pending final approval of "Certified Clean Idle" vehicle label. The manufacturer has until November 1, 2008 to resolve concerns on this conditional certification. This Executive Order is effective through November 1, 2008; engines produced after this date are not covered by this Executive Order unless provided with a "Certified Clean Idle" label approved by ARB. In addition, the engine models listed above are certified on the condition that vehicles into which the conditionally certified engines are installed and to which were affixed a "Certified Clean Idle" label that does not have final ARB approval shall have an ARB approved "Certified Clean Idle" label affixed no later than December 31, 2009.

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this

__ day of July 2008.

Annette Hebert, Chief

Mobile Source Operations Division

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Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.8HP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HF (for diesel only)	5.Fuel Rate: of (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torqu	9.Emission Control le Device Per SAE J1930
9DDXH07.2DJD	V	OM926LA	250 @ 2200	127.0	90.7	660 @ 1400	137.0	64.0 \	ECM, TC
9DDXH07.2DJD		OM926LA	230 @ 2200	115.0	84.0	660 @ 1400	137.0	64.0	CAC KGR
9DDXH07.2DJD	VII	OM926LA	230 @ 2200	115.0	84.0	620 @ 1400	129.0	58.0	DC DPC
9DDXH07.2DJD	VIII	OM926LA	210 @ 2200	108.0	75.5	620 @ 1400	129.0	58.0	
9DDXH07.2DJD	IX	OM926LA	210 @ 2200	108.0	75.5	520 @ 1400	108.0	49.0	(all vatorys
9DDXH07.2DJD	X	OM926LA	190 @ 2200	97.0	70.0	520 @ 1400	108.0	49.0	